

CURRICULUM VITAE

Personal Profile

Name : Dr. Jaspreet Singh Arora
Father's Name : Dr. J. S. Arora
Date and Place of Birth : 17-07-1979 (Jabalpur)
Permanent Address : 56, Behind Prem Nagar Post Office, Madan Mahal,
Jabalpur (M.P.)-482001
Mobile (WhatsApp) : 9356861758
Email : drjassi1979@gmail.com
Blood Group : B⁺
Marital Status : Married
Religion : Sikh
Category : General



Educational Qualifications

- **Qualified CSIR-UGC NET 2007 and ARS-NET 2007 and 2008**

2006-2010: **Ph.D. in Animal Biotechnology (O.G.P.A. 7.2/ 10.00)** from N.D.R.I.,
Karnal (Haryana).
2004-2006: **M.V.Sc. (Molecular Biology and Biotechnology)**
(O.G.P.A. 7.74/ 10.00) CBSH, GBPUA&T, Pantnagar, Uttarakhand.
1999- 2004: **B.V.Sc. & A.H. (O.G.P.A. 7.79 / 10.00)**
Jawaharlal Nehru Krishi VishwaVidyalaya, Jabalpur (M.P.).

Scholarship Awarded

- Recipient of **Merit scholarship** by **Department of Biotechnology** (Government of India), through All India Entrance Examination conducted by **Jawaharlal Nehru University** (New Delhi) in **M.V.Sc. (Molecular Biology & Biotechnology)**.
- Recipient of **JRF** during PhD at N.D.R.I., Karnal (Haryana).

Awards and Achievements

- **Best poster presentation award** on “Candidate gene association studies for economically important traits in Beetal and Assam Hill Goat” as a team in the XXVI Annual Convention of the Indian Society for Veterinary Immunology & Biotechnology (ISVIB)& International Conference on “Transforming Livestock Economy through Innovations in Immunology and Biotechnology (VIBCON-2019/20/21)” Feb 04-05, 2022.
- **Best oral presentation award** on “Molecular cloning, *in silico* analysis and structural modeling of CXCR1 gene of water buffaloes”, as a team under the theme “Biotechnology” at National Symposium of Indian Society for Buffalo Development, Dec 10-11, 2021, held at GADVASU, Ludhiana, Punjab.
- Received “**Excellence in Teaching Award**” of the **Society for Bioinformatics and Biological Sciences** for the year **2018** in the field of **Molecular Genetics and Animal Biotechnology** at International Conference on “Advances and Innovations in Biotechnology for Sustainable development (AIBioSD-2019)” organized by Department of Biotechnology, AKS University, Satna (M.P.) during 05th to 07th April, 2019.
- **Best poster presentation award** entitled “IGF1 promoter polymorphisms their association with growth and fertility performance in grandparent line of broiler chicken variety” in XVIth National symposium on “Animal Genetic Resources for Food and Social Security” at National Bureau of Animal Genetic Resources, Karnal from 7th-8th February, 2019 as a team.
- **Best poster presentation award** on “In vitro analysis showing the linkage between HSF1 and cellular thermotolerance in zebu and crossbred non-lactating cattle” as a team in National

symposium on “Sustainable Livestock Development for Food and Nutritional Security” at Khalsa College of Veterinary and Animal Sciences, Amritsar (Punjab)-143002 during 22nd-23rd October, 2016.

- **Best oral presentation award** entitled “Pulmonary Function Tests in Poultry Farm Workers” as a team in “Physiology Update 2016” at Govt. Medical College, Patiala on 12th March, 2016.
- Won the Young Scientist Award 2009 as team of Indian Society of Veterinary Immunology and Biotechnology.
- Won the Second Prize in Oral Paper Presentation in National Symposium at Gwalior (M.P.) in 2006.
- Admission in M.V.Sc. Molecular Biology and Biotechnology programme through all India entrance examination conducted by Jawaharlal Nehru University (New Delhi).

Areas of Research

Molecular characterization and profiling of genes implicated in production, reproduction, disease resistance and stress tolerance in livestock species and poultry.

Research achievements: Characterized major fecundity genes of Beetal goat of Punjab.

Completed Projects as PI

- Polymorphism Screening and Association Studies of CXCR genes with udder health and milk production in Buffalo breeds of Northern India from UGC, New Delhi (2013-2017)
- Molecular characterization of fecundity genes in Assam Hill Goat from DBT, New Delhi (2017-2020)

Besides that, served as Co-PI in several projects from DBT, FAO, RKVY etc.

Membership/Offices held in professional societies

1. Life member of Indian Society of Veterinary Immunology and Biotechnology (ISVIB).
2. Life member of Society of Biological Chemists, India (SBC).
3. Life member of Society for Conservation of Domestic Animal Biodiversity (SOCDAB).
4. Member of Punjab Veterinary Council
5. Life member Punjab Science Congress
6. Life member Society for Bioinformatics and Biological Sciences
7. Member of Alumni Association of COABT

Best Ten Publications:

1. Murthy, S.; Suresh, A.; Dandasena, D.; Singh, S.; Subudhi, M.; Bhandari, V.; Bhanot, V.; **Arora, J.S.**; Sharma, P. Multiplex ddPCR: A promising diagnostic assay for early detection and drug monitoring in Bovine Theileriosis. *Pathogens* **2023**, *12*, 296. **(I.F.=6.7)**
2. Ntesang, K., Singla, L. D., Kaur, P., **Arora, J. S.** and Kashyap, N. (2022). Molecular epidemiology, phylogenetic analysis and risk assessment of *Anaplasma marginale* from naturally infected bovines of Punjab (India), *Acta Tropica*, Volume 232, 106499, ISSN 0001-706X, <https://doi.org/10.1016/j.actatropica.2022.106499>. **(I.F.=2.7)**
3. Roy, S.; Bhandari, V.; Barman, M.; Kumar, P.; Bhanot, V.; **Arora, J.S.**; Singh, S.; Sharma, P. Population Genetic Analysis of the *Theileria annulata* Parasites Identified Limited Diversity and Multiplicity of Infection in the Vaccine from India. *Frontiers in Microbiology* **2021**, *11*, 579929. **(I.F.=6.1)**
4. Saleem A, Singh S, Sunil Kumar BV, **Arora JS**, Choudhary RK (2019) Analysis of lysyl oxidase as a marker for diagnosis of canine mammary tumors. *Molecular Biology Reports* 46:4909–4919 **(I.F.=1.4)**
5. Dandasena, D.; Bhandari, V.; Sreenivasamurthy, G.S.; Murthy, S.; Roy, S.; Bhanot, V.; **Arora, J.S.**; Singh, S.; Sharma, P. A Real-Time PCR Based Assay for Determining Parasite to Host Ratio and Parasitaemia in the Clinical Samples of Bovine Theileriosis. *Scientific Reports* **2018**, *8*, 1–7. **(I.F.=4.0)**
6. Manku HK, Dhanoa JK, Kaur S, **Arora JS**, Mukhopadhyay CS. Biocomputational identification of microRNAs from bubaline whole genome shotgun sequences. *Computational Biology and Chemistry* 2017; 70:96–106. <https://doi.org/10.1016/j.combiolchem.2017.08.005>. **(I.F.=1.4)**
7. Gill JK, **Arora JS**, Kumar BS, Mukhopadhyay CS, Kaur S, Kashyap N (2017) Cellular thermotolerance is independent of HSF 1 expression in zebu and crossbred non-lactating cattle. *International Journal of Biometeorology* 61(9):1687–93 **(I.F.=2.6)**

8. Dhaliwal, K K, **Arora, J S**, Mukhopadhyay, C S and Dubey, P P 2015. *In silico* characterization of functional divergence of two cathelicidin variants in Indian sheep. *Evolutionary Bioinformatics online*; 11(189):196. DOI:10.4137/EBO.S29779. **(I.F.=1.4)**
 9. Verma, Geetika, **Arora J S**, Sethi R S, Mukhopadhyay C S and Verma, Ramneek 2015. Handmade cloning: recent advances, potential and pitfalls. *Journal of Animal Science and Biotechnology* 6:43. **(I.F.=1.6)**
 10. Singh, J, Mukhopadhyay, C S, **Arora, J S** and Kaur, S 2015. Biocomputational Characterization and Evolutionary Analysis of Bubaline Dicer1 Enzyme. *Asian Australasian Journal of Animal Sciences*, 28(6):876-887. **(I.F.=0.8)**
- Developed the practical manual for B. Tech. Biotech. Courses: **103, 205, 304, 422 and 423.**
 - I have been reviewer for many esteemed National and International Journals like PLOS ONE, Molecular Biology Reports, Molecular Biotechnology, Indian Journal of Animal Research etc.

Total Publications: 50

Review articles: 6

Extension articles: 4

Book chapters: 2

Invited lectures: 3

Supervision of UG students (B. Tech. Biotech): 4

- **Thesis completed under my supervision as Major Advisor**

S.N.	Name of Student	Roll Number	Degree Awarded & Year	Topic of the Thesis
	Reddi VVSN Murthy	L-2011-ABT-08-M	M.V.Sc. 2013	Comparative proteome analysis of <i>Brucella</i> spp by two Dimensional electrophoresis
	Kamaljeet Kaur	L-2012-ABT-05-M	M.Sc. 2014	Cloning, sequencing and biocomputational characterization of cathelicidin gene in sheep
	Jaspreet Kaur	L-2013-ABT-05-M	M.Sc. 2015	Expression profiling of HSF1 gene in zebu and cross bred cattle
	Shiveeli Rajput	L-2016-ABT-09-M	M.Sc. 2018	Cloning, sequencing and biocomputational characterization of CXCR1 coding region in buffalo
	Beakal Mindaye	L-2017-ABT- 02-M	M.V.Sc. 2019	Studies on polymorphism of fecundity genes in goat
	Shivangi	L-2018-BT-07-M	M.Sc. 2020	Study on polymorphism of GDF9 gene in beetal goat in punjab
	Ramandeep Kaur	L-2019-BT-07-M	M.Sc. 2021	Sequencing And Biocomputational Characterization Of Coding Region Of Major Fecundity Genes (BMP15, GDF9 and BMPR1B) In Beetal Goat

Experience:

That myself Dr Jaspreet Singh Arora is serving as Scientist (Assistant Professor) at Department of Animal Biotechnology, College of Animal Biotechnology, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana since 2011. I was appointed on the said post in the University in State of Punjab after following due process of recruitment. My career throughout has been illustrious, unscathed and unblemished.

During the COVID-19 pandemic in 2020, I utilized my expertise in the service of nation and fellow citizens by providing service (sample testing) for period of about two and half months (April, 2020 to July, 2020) at Government Medical College, Patiala. Thereafter, I was associated with COVID-19 sample testing at **Viral Research Diagnostic Laboratory (VRDL)**, College of Animal Biotechnology, GADVASU, Ludhiana from August, 2020 till the date of my vengeful suspension.

Suddenly, I received an email from the office of Registrar, Guru Angad Dev Veterinary and Animal Sciences University on 30.09.2022 containing the order dated 30.09.2022, whereby I have been ordered to be suspended from the post of Scientist, College of Animal Biotechnology and transferred to College of Veterinary Sciences, Rampura Phul, Bathinda with immediate effect. I appeared before the Inquiry Committee on 10.03.2023 and 11.05.2023 as directed by the Inquiry Committee.

Finally, on 29.09.2023, I received impugned order dated 29.09.2023 issued by the Registrar of the University, whereby, the Honourable Vice Chancellor has ordered to impose the major penalty of removal from service. **The case is sub judice in the Honourable Punjab and Haryana High Court, Chandigarh.**

Since March, 2024 I am serving as Professor, Department of Veterinary Microbiology, M B Veterinary College, Dungarpur, Rajasthan.

Dungarpur

Date: 04-10-2025

J.S.Arora

Mobile: 9356861758

Email: drjassi1979@gmail.com